

Title (en)

DETUNABLE RF RECEPTION ANTENNA DEVICE

Title (de)

VERSTIMMBARE HF-EMPFANGSANTENNENEINRICHTUNG

Title (fr)

DISPOSITIF D'ANTENNE DE RÉCEPTION RF DÉRÉGLABLE

Publication

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Application

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Abstract (en)

[origin: EP2270529A1] The invention relates to a RF reception antenna device (10) for receiving MR signals in a MR imaging system. The device (10) comprises a RF resonant circuit including a RF reception antenna (15) for picking up the MR signals, and a RF amplifier (17) connected at its input to the RF resonant circuit for amplifying the picked up MR signals. The invention proposes to make provision for a detection circuit (18) configured to derive a switching signal from an output signal of the RF amplifier (17). A switching circuit (19) is responsive to the switching signal, wherein the switching circuit (19) is configured to switch the RF resonant circuit between a resonant mode and a non-resonant (i.e. detuned) mode.

IPC 8 full level

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